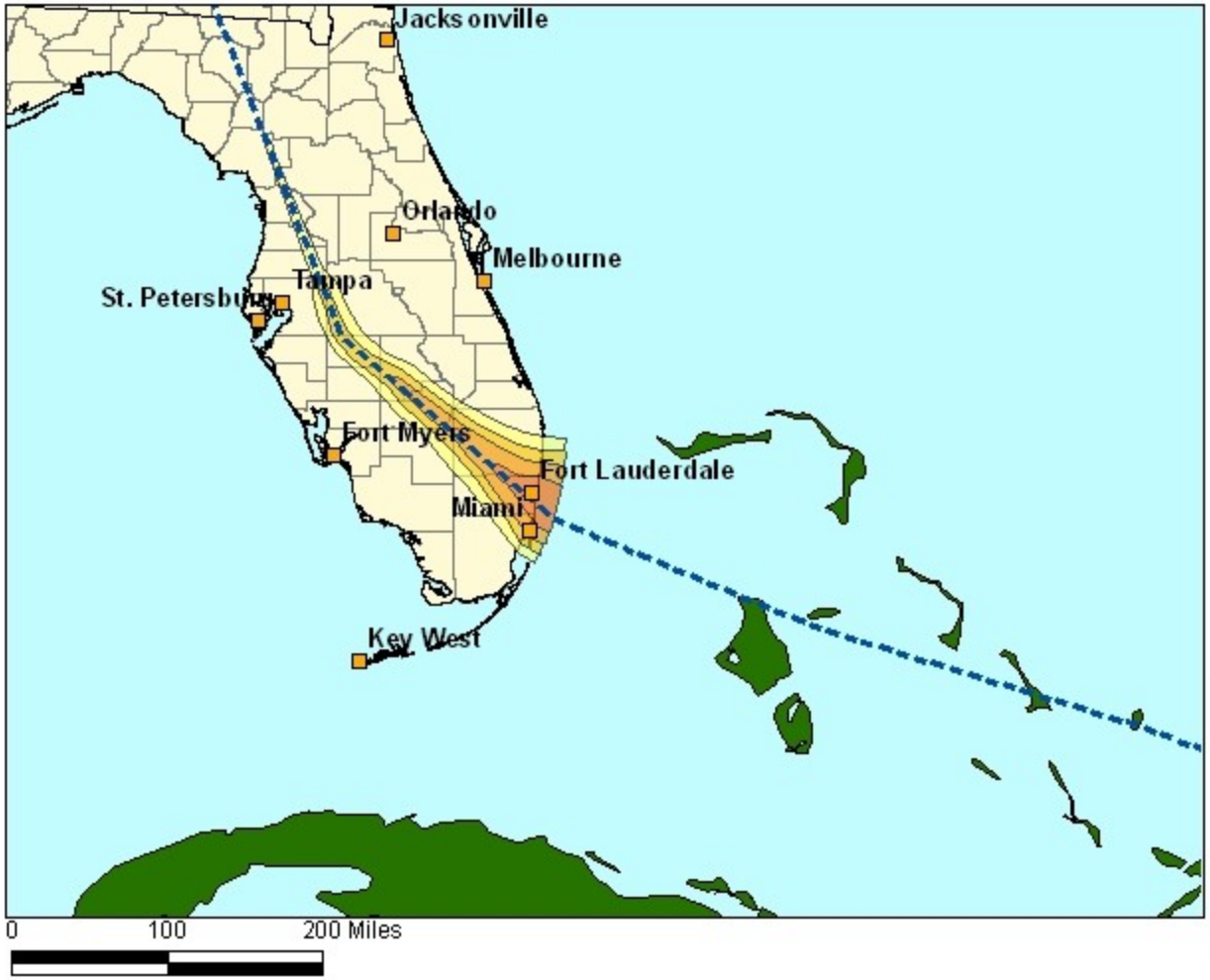
US Army Corps of Engineers

Hurricane Tolbert Projected Damage Areas

Landfall Expected In About 36 Hours

For Official Use Only!



Post Landfall Projected Damage Areas

This model is based on a Category 3 storm making landfall near Fort Lauderdale.

Forecast Track

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 3 storm making landfall near Fort Lauderdale. These projections are based on information from the NHC (1100 EDT 05/01/2007) forecast.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Projected Damage Areas	
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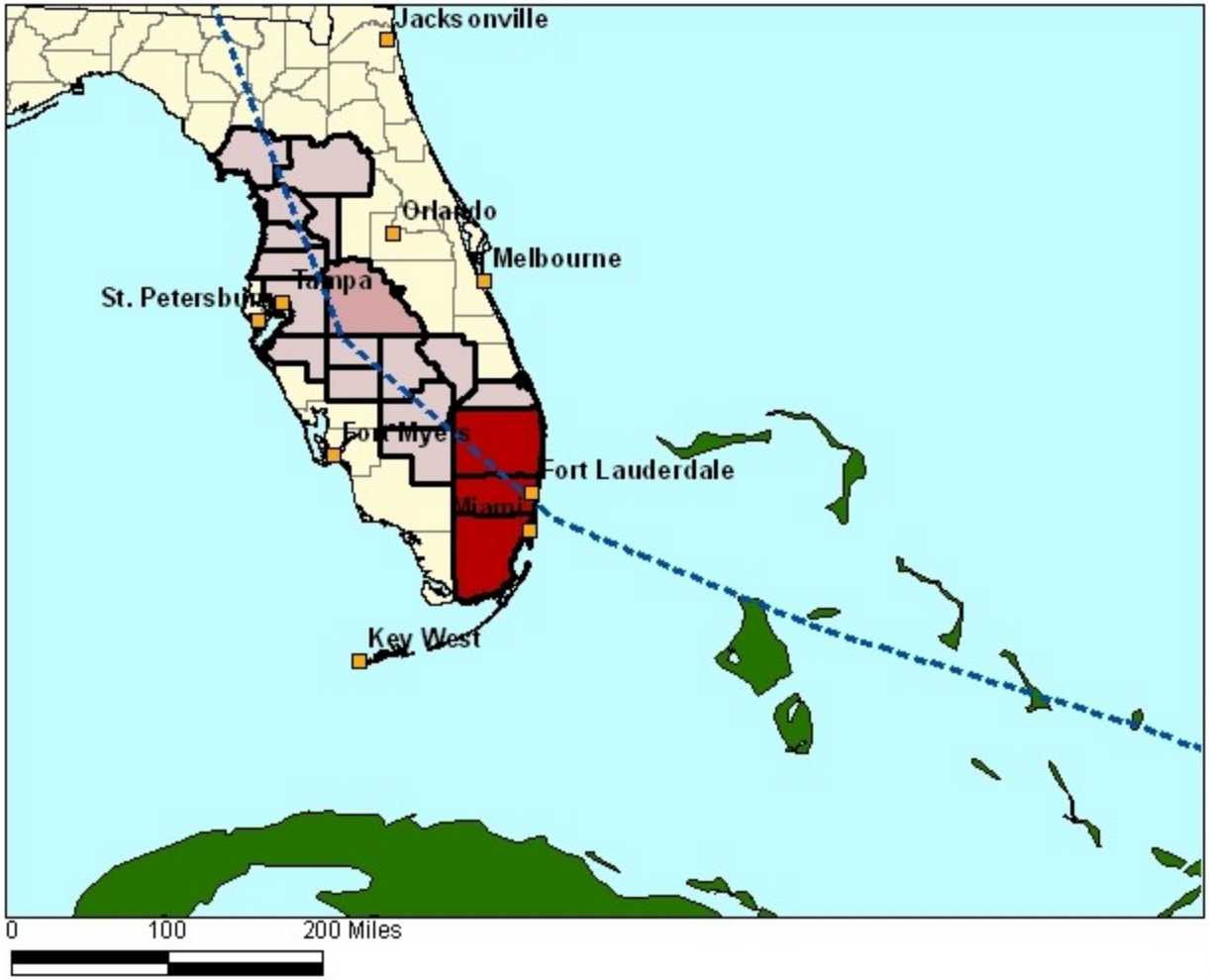
Sources: HURREVAC LRL-DEBRIS	Page 1 of 13

US Army Corps of Engineers

Hurricane Tolbert Debris Model

Landfall Expected In About 36 Hours

For Official Use Only!



Post Landfall Debris Model Results

Florida - 53,935,000 Yards

Model results per county on following page

This model is based on a Category 3 storm making landfall near Fort Lauderdale.

Forecast Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall near Fort Lauderdale. These projections are based on information from the NHC (1100 EDT 05/01/2007) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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Hurricane Tolbert Debris Model	
Generated By: Siemsen, LRL 1130 EDT 05/01/2007	
Sources: HURREVAC LRL-DEBRIS	Page 2 of 13

US Army Corps of Engineers

Hurricane Tolbert Debris Model

Landfall Expected In About 36 Hours

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State	Yards per State	County	Yards per County
Florida		Broward	39,558,000
		Citrus	31,000
		Dade	9,302,000
		De Soto	4,000
		Glades	44,000
		Hardee	32,000
		Hendry	91,000
		Hernando	7,000
		Highlands	74,000
		Hillsborough	79,000
		Levy	4,000
		Manatee	< 1,000
		Marion	6,000
		Martin	< 1,000
		Okeechobee	2,000
		Palm Beach	4,458,000
		Pasco	44,000
		Polk	199,000
		Sumter	< 1,000
Florida	53,935,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Debris Model

Generated By:
Siemsen, LRL 1130 EDT 05/01/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Population Model

Landfall Expected In About 36 Hours

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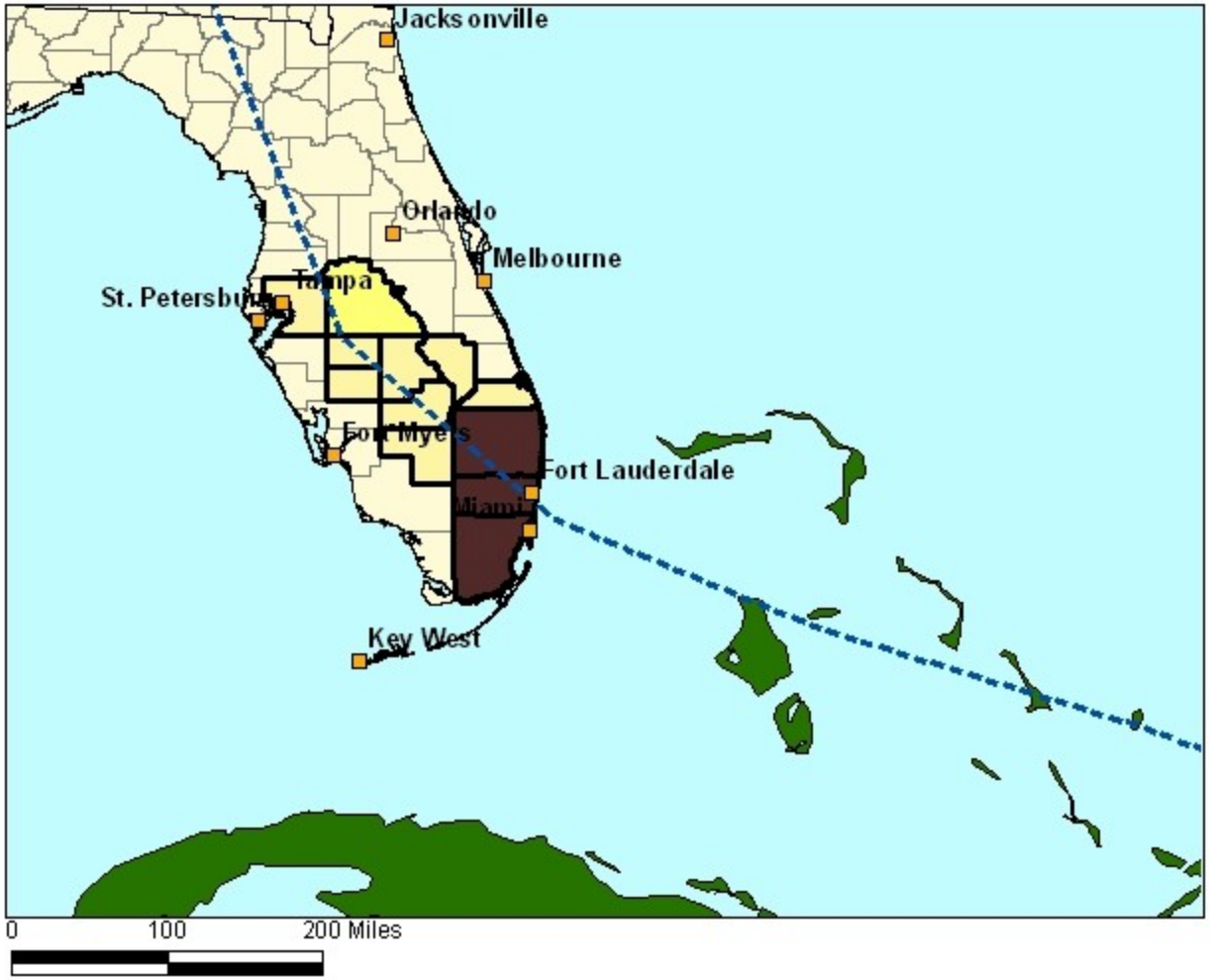

Post Landfall Population Model Results

Florida - 3,808,000

Model results per county on following page

This model is based on a Category 3 storm making landfall near Fort Lauderdale.

Forecast Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall near Fort Lauderdale. These projections are based on information from the NHC (1100 EDT 05/01/2007) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Population Model	
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Sources: HURREVAC LRL-DEBRIS	Page 4 of 13

US Army Corps of Engineers

Hurricane Tolbert Population Model

Landfall Expected In About 36 Hours

For Official Use Only!

State	Population per State	County	Population per County
Florida		Broward	1,772,000
		Dade	1,367,000
		De Soto	2,000
		Glades	6,000
		Hardee	12,000
		Hendry	15,000
		Highlands	12,000
		Hillsborough	24,000
		Martin	< 1,000
		Okeechobee	< 1,000
		Palm Beach	564,000
		Polk	34,000
Florida	3,808,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Population Model

Generated By:
Siemsen, LRL 1130 EDT 05/01/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Households Model

Landfall Expected In About **36** Hours

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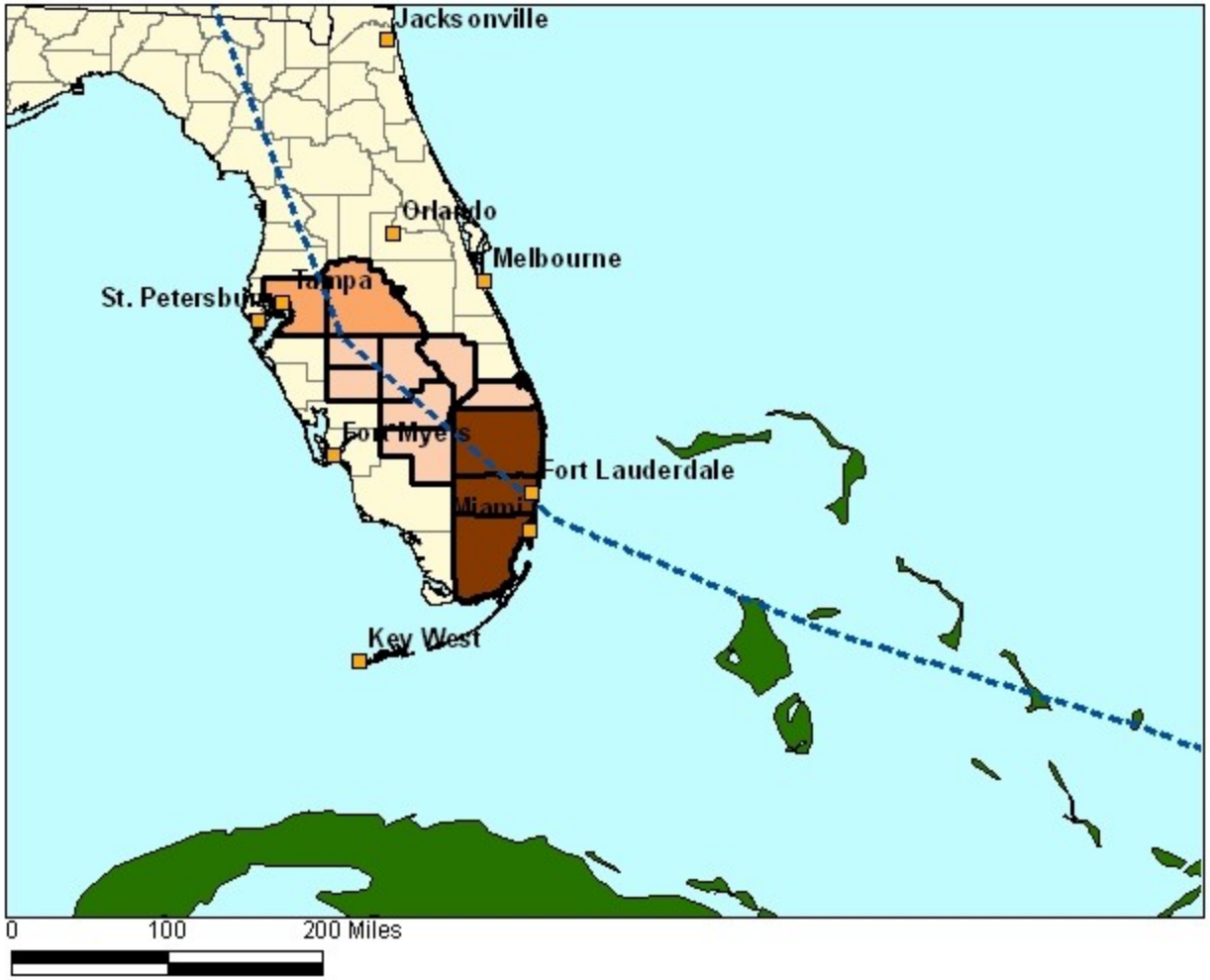


Post Landfall Households Model Results

Florida - 1,495,000

Model results per county on following page

This model is based on a Category 3 storm making landfall near Fort Lauderdale.

Forecast Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 3 storm making landfall near Fort Lauderdale. These projections are based on information from the NHC (1100 EDT 05/01/2007) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Households Model	
Generated By: Siemsen, LRL 1130 EDT 05/01/2007	
Sources: HURREVAC LRL-DEBRIS	Page 6 of 13

US Army Corps of Engineers

Hurricane Tolbert Households Model

Landfall Expected In About 36 Hours

For Official Use Only!

State	Households per State	County	Households per County
Florida		Broward	716,000
		Dade	494,000
		De Soto	< 1,000
		Glades	2,000
		Hardee	4,000
		Hendry	5,000
		Highlands	5,000
		Hillsborough	9,000
		Martin	< 1,000
		Okeechobee	< 1,000
		Palm Beach	247,000
		Polk	13,000
Florida	1,495,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Households Model

Generated By:
Siemsen, LRL 1130 EDT 05/01/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Commodities Model

Landfall Expected In About **36** Hours

For Official Use Only!

0 100 200 Miles

Post Landfall Ice/Water Model Results

Day One / Day Two / Day Three
FL – 50/100/311 Truckloads Each

Model results per county on following page

This model is based on a Category 3 storm making landfall near Fort Lauderdale.

Forecast Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall near Fort Lauderdale. These projections are based on information from the NHC ***(1100 EDT 05/01/2007)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input. The graphic represents single day needs with full distribution system in place and operating. Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Commodities Model	
Generated By: Siemsen, LRL 1130 EDT 05/01/2007	
Sources: HURREVAC LRL-DEBRIS	Page 8 of 13

US Army Corps of Engineers

Hurricane Tolbert Commodities Model

Landfall Expected In About 36 Hours

For Official Use Only!

State	Truckloads per State	County	Truckloads per County
Florida		Broward	142
		Dade	110
		De Soto	1
		Glades	1
		Hardee	1
		Hendry	2
		Highlands	1
		Hillsborough	2
		Martin	1
		Okeechobee	1
		Palm Beach	46
		Polk	3
Florida	311		

The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system. The assumption in this scenario is that 40% of the resident population affected by the hurricane will have power outage in this area and cause a need for ice and water.

Details about this model may be obtained at **https://englink.usace.army.mil**
or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Commodities Model

Generated By:
Siemsen, LRL 1130 EDT 05/01/2007

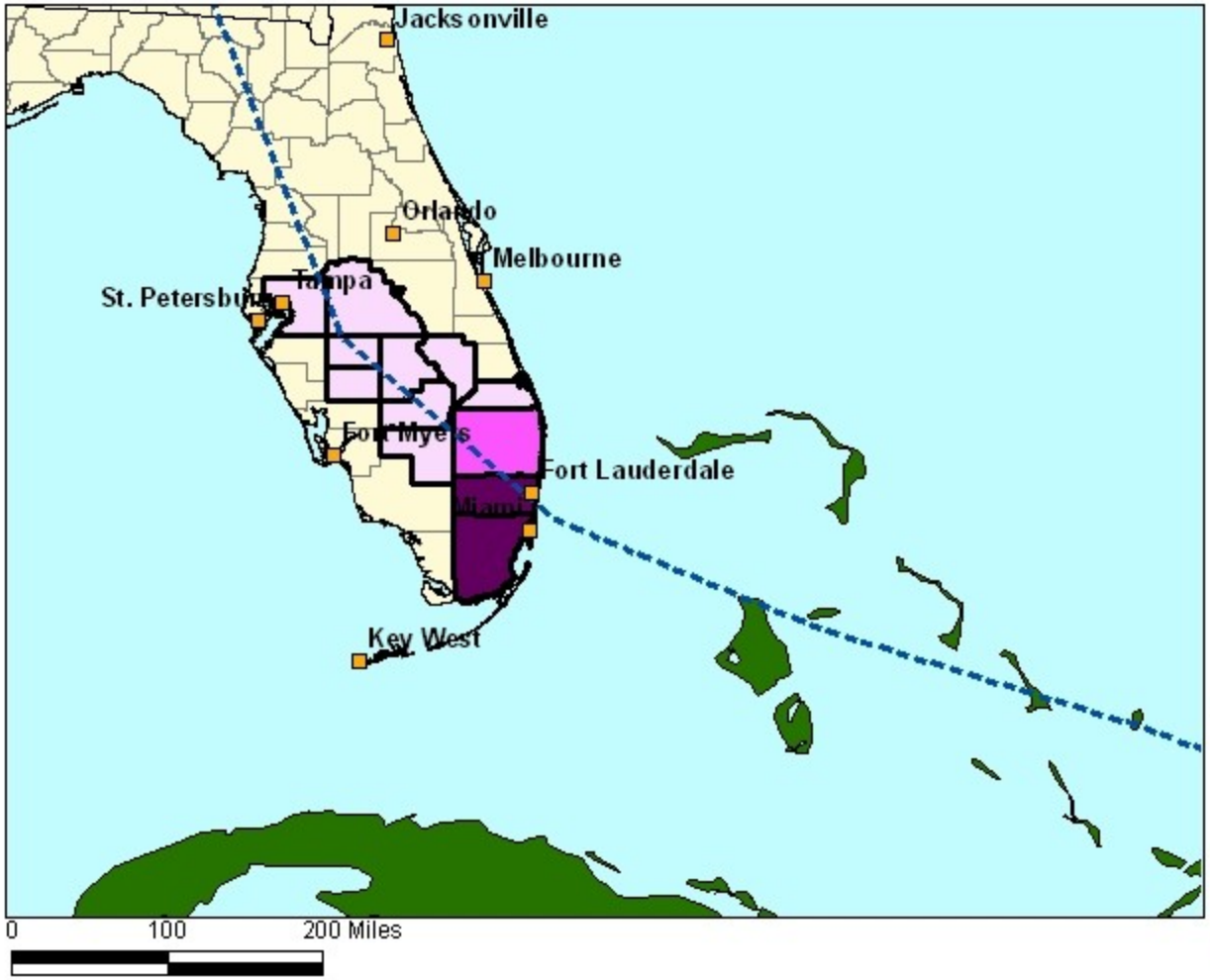
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Temporary Housing Model

Landfall Expected In About 36 Hours

For Official Use Only!



Post Landfall Temporary Housing Model Results

Florida - 48,600

Model results per county on following page

This model is based on a Category 3 storm making landfall near Fort Lauderdale.

Forecast Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near Fort Lauderdale. These projections are based on information from the NHC (1100 EDT 05/01/2007) forecast. Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Housing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 10 of 13

US Army Corps of Engineers

Hurricane Tolbert Temporary Housing Model

Landfall Expected In About 36 Hours

For Official Use Only!

State	per State	County	per County
Florida		Broward	32,200
		Dade	10,800
		De Soto	< 100
		Glades	< 100
		Hardee	< 100
		Hendry	< 100
		Highlands	< 100
		Hillsborough	< 100
		Martin	< 100
		Okeechobee	< 100
		Palm Beach	5,400
		Polk	200
Florida	48,600		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Housing Model

Generated By:
Siemsen, LRL 1130 EDT 05/01/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Temporary Roofing Model

Landfall Expected In About 36 Hours

For Official Use Only!

Post Landfall Temporary Roofing Model Results

Florida - 69,600

Model results per county on following page

This model is based on a Category 3 storm making landfall near Fort Lauderdale.

Forecast Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near Fort Lauderdale. These projections are based on information from the NHC (1100 EDT 05/01/2007) forecast. Temporary roofing is based on 2% in CAT 1, 4% in CAT 2 and 7% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Roofing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 12 of 13

US Army Corps of Engineers

Hurricane Tolbert Temporary Roofing Model

Landfall Expected In About 36 Hours

For Official Use Only!

State	House Units per State	County	House Units per County
Florida		Broward	44,800
		Dade	16,000
		De Soto	< 100
		Glades	< 100
		Hardee	< 100
		Hendry	200
		Highlands	200
		Hillsborough	200
		Martin	< 100
		Okeechobee	< 100
		Palm Beach	7,900
		Polk	300
Florida	69,600		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary roofing is based on 2% in CAT 1, 4% in CAT 2 and 7% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Roofing Model

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Siemsen, LRL 1130 EDT 05/01/2007

Sources:
HURREVAC
LRL-DEBRIS